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(54) Abstract Title
Radio antenna

(57) A radio antenna system comprises a single low impedance feed socket (9) coupled to a junction point (11) splitting the feeder power into two separate circuits (1, 2) each of which passes approximately half the feed input power around a respective one of two conductors (1, 2) insulated from each other and in close proximity over their lengths and forming a dual loop not more than ten per cent of the operating wavelength in circumference at the lowest frequency to be radiated, the power flowing in opposite directions around each loop and having approximately plus and minus 45 degrees electrical phase difference produced by two series capacitors (12, 13), the one (12) being ahead of the first conductor (1), and the other (13) being after the second conductor (2), the said conductors of the loop being in sufficiently close proximity to provide interaction of the fields through Poynting vector synthesis.

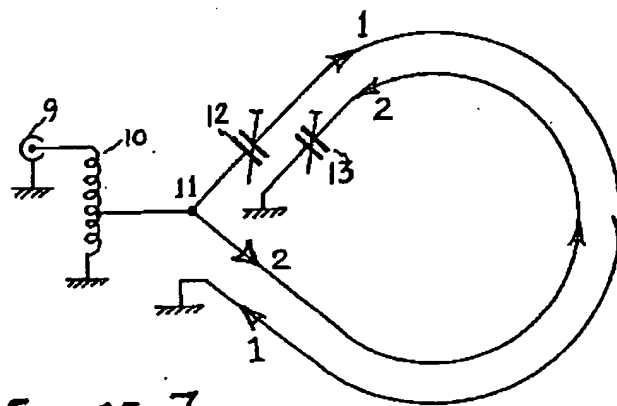


FIGURE 7

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